

Cement Task Force Flagship Projects




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Cement Sector Review and Objectives of Cement Task Force

- 61% of global Cement production(2.2 bil. tons)
- Energy-intensive production process – 40% of the production cost
- 5% of man-made CO₂ emission

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- Conduct survey of current situation.
 - Develop performance indicators and benchmarks.
 - Share information and experiences on clean technologies.
 - Diffuse and deploy such clean technologies.



Flagship Projects of Cement TF

1. Centre of Excellence (CMT-06-05)

2. Hazardous Waste Disposal (CMT-07-07)

- Best Practices for Co-Processing and Management in Cement Kilns

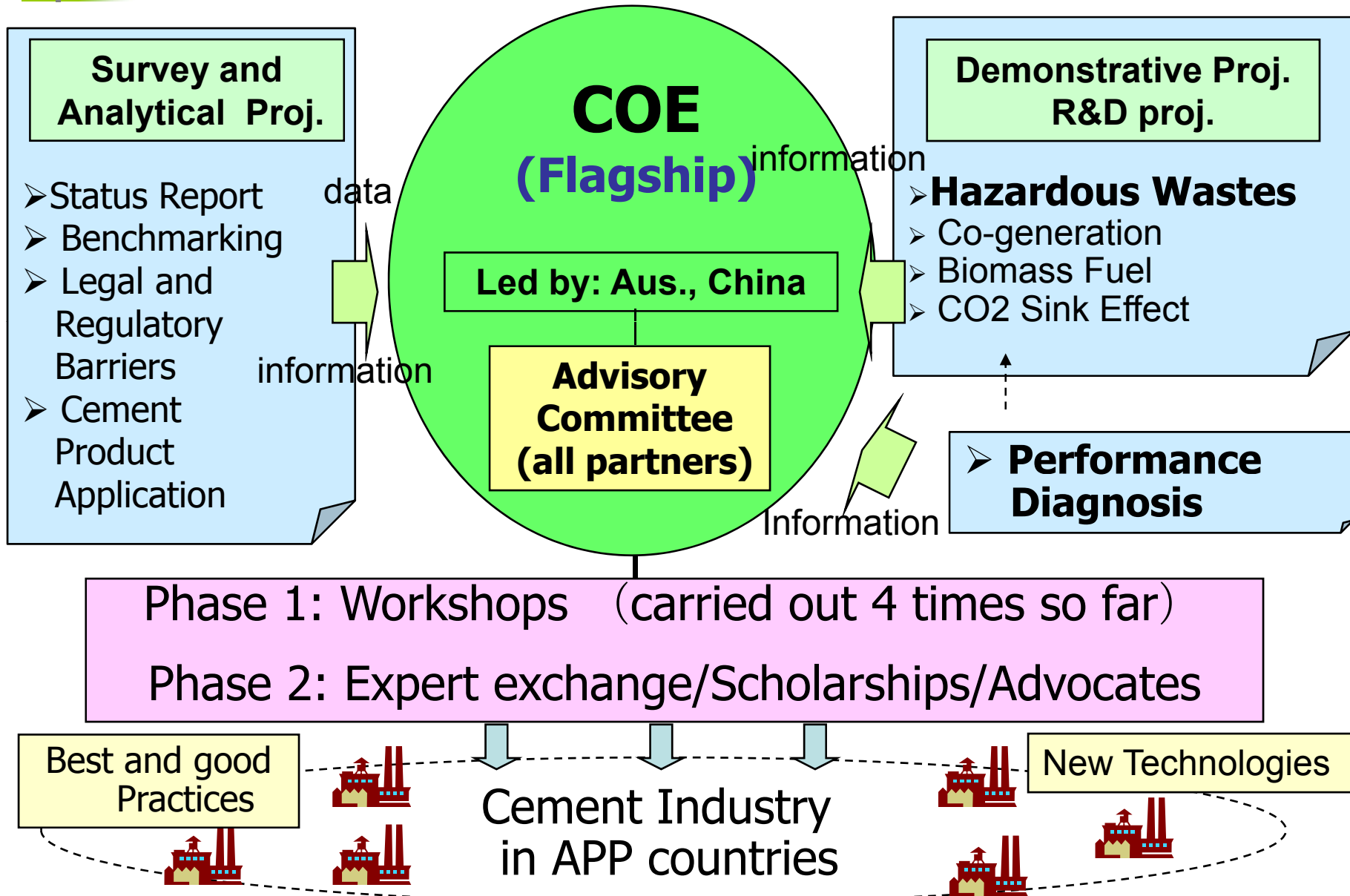
3. Performance Diagnosis (CMT-07-10)

1. Centre of Excellence Project

- ✓ A mechanism for the diffusion and adoption of best practice and best emerging technologies
- ✓ To focus on sharing information and experiences on selected technologies, and provide opportunities to demonstrate and showcase the technologies
- ✓ To provide a mechanism for human resource development



1. Centre of Excellence Project



2. Hazardous Waste Disposal project

- Best Practices for Co-Processing and Management in Cement Kilns

- ✓ **Promote the use of hazardous and other industrial wastes** as a reliable **alternate, renewable source of energy** for clinker production in cement kilns
- ✓ **Demonstrate the technical and economic feasibility** of co-firing various types of hazardous and other industrial wastes safely



2. Hazardous Waste Disposal Project

- Components

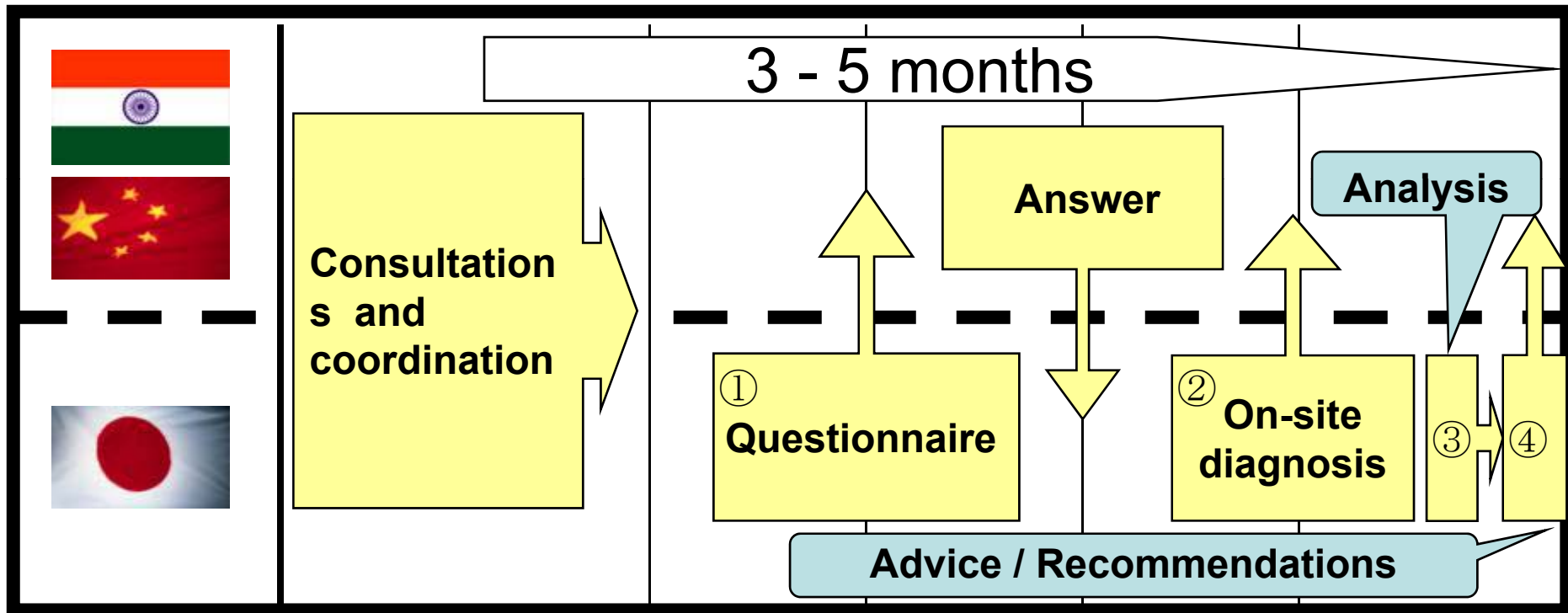
Sub-Project	Lead partner	Participants
<u>sub1</u> - Hazardous Waste Co-Processing in India <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">Start Dec. '07(P)</div>	IND	AUS, IND, US
<u>sub2</u> - Solvent-Based Fuels in Cement Kilns in Australia <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">Started Sep. '06</div>	AUS	AUS, CHN, IND
<u>sub3</u> - Management of Mercury Emissions from Cement Kilns Co-Processing Biosolids <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">Started Nov. '06</div>	AUS	AUS, CHN, IND
<u>sub4</u> - Best Practices for Management and Co-Firing of Hazardous and Other Industrial Wastes in Cement Kilns in US <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">May '08</div>	US	All 6 parties

3. Performance Diagnosis Project

- ✓ **Provide** short-term and medium-to-long term **advice and recommendations** on energy saving and environmental management
- ✓ **Support human resource development** (capacity building) through preliminary consultations with governments and industries
- ✓ **Contribute**, through project implementation, **to more active diagnostic applications**

3. Performance Diagnosis Project

- Started provisionally from mid-2007
- Diagnosis of approx. four factories per year



Case Study, Best Practice

All APP partners

Thank you for your attention!



APP Cement Task Force